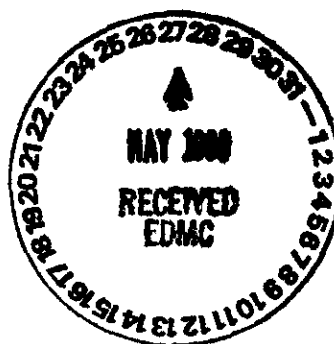


0050734

Date: May 1999	Copy No.: 145a
To: D. A. Isom	Document No.: DOE/RL-88-21
	Title: HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION
MSIN: H6-08	Revision Release No.: Revision 23

Section Number and Title	Remove			Insert		
	Page(s)	Rev.	Date	Page(s)	Rev.	Date
Volume 1						
Contents	1-3	22	01/99	1-3	23	05/99
2.0 Permitting Status for Dangerous Waste Treatment, Storage, and/or Disposal Units	1-5	22	01/99	1-5	23	05/99
4.2.1.1 221-T Containment Systems Test Facility	1	3	10/01/96	1	3	Closed 02/22/99
Volume 2						
Contents	1-3	22	01/99	1-3	23	05/99
4.2.2.4 2727-WA SRE Sodium Storage Building	1	1	10/01/96	1	1	Closed 02/22/99
Volume 3						
Contents	1-3	22	01/99	1-3	23	05/99



Please update your manual with the attached pages, sign, date, and return this sheet. If you no longer require the document, please return the document, with this sheet, to the address below.	
Name: <u>DA Isom</u>	Date: <u>5-27-99</u>

Hazardous Waste Services
L4-97

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

Revision

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2.0 PERMITTING STATUS FOR DANGEROUS WASTE TREATMENT, STORAGE,
AND/OR DISPOSAL UNITS ◆

3.0 FORM 1 - DANGEROUS WASTE PERMIT APPLICATION

4.0 FORM 3 - DANGEROUS WASTE PERMIT APPLICATION

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HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

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Permitting Status for Dangerous Waste Treatment, Storage, and/or Disposal Units.

Unit	Co-op ¹	Area ²	Unit type T=treatment S=storage D=disposal	Waste type M=mixed D=dangerous	Unit classification ³	Document type ⁴	Part A			Part B		Closure plan		Postclosure		Date closed
							Initial	Latest	Rev.	Latest	Rev.	Date	Rev.	Date	Rev.	
100 Area																
1324-N Surface Impoundment	BHI	100	T	D	7	2,3	08/01/86	06/30/94	3							
105-DR Large Sodium Fire Facility	FDH	100	TS	D	1,13,17	3	11/01/85	05/11/98	4			03/95	2			
1706-KE Waste Treatment System	FDH	100	TS	M	3,13	2	08/01/86	10/01/96	3							
183-H Solar Evaporation Basins	BHI	100	TS	M	3,4	4	11/01/85	06/30/94	4			06/30/94	4	06/97	0	
1301-N Liquid Waste Disposal Facility	BHI	100	D	M	11	2,3	08/01/86	02/25/97	7							
1325-N Liquid Waste isposal Facility	BHI	100	D	M	11	2,3	02/01/87	02/25/97	7							
1324-NA Percolation Pond	BHI	100	TD	D	8,13	2,3	08/01/86	06/30/94	3							
100-D Ponds	BHI	100	TD	D	8,13	2,3	08/01/86	06/30/94	4			03/01/93	0			
200 Areas																
221-T Containment Systems Test Facility	FDH	200W	T	D	13	8	11/01/85	10/01/96	3							02/22/99
200 West Area Ash Pit Demolition Site	Other	200W	T	D	13,15	2	11/01/85	11/04/94	4			10/06/94	1			10/26/95
218-E-8 Borrow Pit Demolition Site	Other	200E	T	D	13,15	2	11/01/85	11/04/94	4			10/21/94	1			10/26/95
242-A Evaporator	FDH	200E	TS	M	3,4	1	09/01/87	10/01/96	7	07/97	1					
Grout Treatment Facility	FDH	200E	TSD	M	3,4,7,11	12	09/01/87	10/01/96	5	07/24/92	2					
T Plant Complex	FDH	200W	TS	M	1,2,3,4,10,13	1	12/01/87	12/23/98	7	12/19/95	0					
241-Z Treatment and Storage Tanks	FDH	200W	TS	M	3,4	7	12/01/87	04/14/97	5			12/31/96	0			
B Plant Complex	FDH	200E	TS	M	1,3,4,10	7	12/01/87	10/01/96	5							
222-S Laboratory Complex	FDH	200W	TS	M	1,2,3,4	1	11/25/87	12/23/98	7	12/21/91	0					
204-AR Waste Unloading Station	FDH	200E	T	M	4	1	12/01/87	10/01/96	4							
PUREX Plant	FDH	200E	TS	M	3,4,10	7	12/01/87	10/01/96	8							
Hanford Waste Vitrification Plant	FDH	200E	TS	M	1,3,4,12,13	13	05/01/88	10/01/96	5	10/01/91	2					
200 Area Effluent Treatment Facility	FDH	200E	TS	M	1,3,4	1	06/26/91	05/11/98	3	07/97	0*					
Waste Receiving and Processing Facility	FDH	200W	TS	M	1,2	1	01/25/95	05/22/98	2	05/22/98	1					

Permitting Status for Dangerous Waste Treatment, Storage, and/or Disposal Units.

Unit	Co-op ¹	Area ²	Unit type T=treatment S=storage D=disposal	Waste type M=mixed D=dangerous	Unit classification ³	Document type ⁴	Part A			Part B		Closure plan		Postclosure		Date closed
							Initial	Latest	Rev.	Latest	Rev.	Date	Rev.	Date	Rev.	
Plutonium Finishing Plant Treatment Unit	FDH	200W	T	M	2	6	12/23/98	12/23/98	0							
2727-S Storage Facility	Other	200W	S	D	1,15	2	11/01/85	11/16/87	2			10/07/92	3A			06/27/95
Double-Shell Tank System	FDH	200EW	TS	M	3,4	1	09/01/87	10/01/96	8	06/28/91	0					
Hexone Storage and Treatment Facility	BHI	200W	TS	M	1,3,4	2	12/01/87	06/30/94	3			11/24/92	0			
2727-WA SRE Sodium Storage Building	FDH	200W	S	M	1	8	12/01/87	10/01/96	1							02/22/99
PUREX Storage Tunnels	FDH	200E	S	M	12	1	12/01/87	10/01/96	5	04/14/97	4					
224-T Transuranic Waste Storage and Assay Facility	FDH	200W	S	M	1	2	12/01/87	10/01/96	6	06/30/92	0					
Central Waste Complex	FDH	200W	TS	M	1,2	1	05/01/88	05/22/98	5	05/22/98	1					
Single-Shell Tank System	FDH	200EW	TS	M	3,4,5	11	02/01/88	10/01/96	4			09/30/89	Draft			
207-A South Retention Basin	FDH	200E	S	M	6,	6	02/26/90	10/01/96	2							
Liquid Effluent Retention Facility	FDH	200E	TS	M	6,7	1	02/26/90	05/22/98	6	07/97	0*					
241-CX Tank System	BHI	200E	S	M	3	6	07/10/90	06/30/94	3							
Waste Encapsulation and Storage Facility	FDH	200E	S	M	12	6	12/19/97	12/19/97	0							
Low-Level Burial Grounds	FDH	200EW	SD	M	1,11	1	11/01/85	12/23/98	11	07/97	1					
216-S-10 Pond and Ditch	BHI	200W	D	M	8	2,3	02/01/87	06/30/94	3				0			
2101-M Pond	Other	200E	D	D	8,15	2	08/01/86	11/16/87	2			07/01/94	2A			10/26/95
216-A-29 Ditch	BHI	200E	TD	M	8,13	2,3	08/01/86	06/30/94	3				0			
216-B-3 Main Pond	BHI	200E	TD	M	7,8	2,3	08/01/86	06/30/94	5							
	FDH	200E	TD	M	7,8	2,3	08/01/86	10/01/96	3				0			
216-B-63 Trench																
216-A-10 Crib	BHI	200E	D	M	11	2,3	08/01/87	06/30/94	3							
216-U-12 Crib	BHI	200W	D	M	11	2,3	08/01/87	06/30/94	3							
216-A-36B Crib	BHI	200E	D	M	11	2,3	02/01/88	06/30/94	1				0			
216-A-37-I Crib	BHI	200E	D	M	11	2,3	02/26/90	06/30/94	2							
216-B-3 Expansion Ponds	Other	200E	TD	M	7,8,15	2	12/16/93	12/16/93	0			10/31/94	2			06/27/95

Permitting Status for Dangerous Waste Treatment, Storage, and/or Disposal Units.

Unit	Co-op ¹	Area ²	Unit type T=treatment S=storage D=disposal	Waste type M=mixed D=dangerous	Unit classification ³	Document type ⁴	Part A			Part B		Closure plan		Postclosure		Date closed
							Initial	Latest	Rev.	Latest	Rev.	Date	Rev.	Date	Rev.	
300 Area																
3718-F Alkali Metal Treatment and Storage Area	FDH	300	TS	M	1,4,13	2	11/01/85	10/01/96	4			11/20/95	2			08/04/98
324 Pilot Plant	PNNL	300	T	M	4,16	8	11/01/85	05/19/88	3							06/09/97
304 Concretion Facility	Other	300	TS	M	1,2,15	2	08/01/86	06/21/90	4			11/30/93	2			11/30/95
300 Area Solvent Evaporator	Other	300	TS	M	1,4,15	2	11/01/85	03/27/90	4			09/24/92	3B			06/27/95
300 Area Waste Acid Treatment System	FDH	300	TS	M	3,4,13	2	09/01/87	10/01/96	5			03/96	1			
303-M Oxide Facility	FDH	300	T	M	9	2	05/01/88	10/01/96	1							
325 Hazardous Waste Treatment Units	PNNL	300	TS	M	1,2,3,4	1	05/19/88	06/30/97	4	06/30/97	1					
Biological Treatment Test Facilities	PNNL	300	T	M	13,16	8	05/19/88	05/19/88	0							12/10/96
Physical & Chemical Treatment Test Facilities	PNNL	300	TS	M	1,13,16	8	05/19/88	06/14/91	1							05/13/96
Thermal Treatment Test Facilities	PNNL	300	T	M	13,16	8	05/19/88	05/19/88	0							05/13/96
311 Tanks (incorporated into 300 Area Waste Acid Treatment System, Rev. 3)	FDH	300														
303-K Storage Unit	FDH	300	S	M	1	2	08/01/87	10/01/96	5			12/17/93	2			
305-B Storage Facility	PNNL	300	S	M	1	1	05/19/88	12/20/90	1	04/03/92	2					
332 Storage Facility	PNNL	300	S	M	1,16	8	05/19/88	05/19/88	0							04/21/97
300 Area Process Trenches	BHI	300	D	M	8	4	11/01/85	05/25/95	4			05/25/95	4			
400 Area																
437-MASF	FDH	400	T	M	4	8	11/01/85	10/01/96	3							
4843 Alkali Metal Storage Facility	FDH	400	S	M	1,15	2	09/01/87	10/01/96	3			09/95	1			04/14/97
Sodium Storage Facility and Sodium Reaction Facility	FDH	400	TS	M	3,4	9	05/01/95	10/01/96	1							
600 Area																
Hanford Patrol Academy Demolition Sites	Other	600	T	D	13,15	2	11/01/85	12/15/94	4			12/15/94	1			10/26/95

Permitting Status for Dangerous Waste Treatment, Storage, and/or Disposal Units.

Unit	Co-op ¹	Area ²	Unit type T=treatment S=storage D=disposal	Waste type M=mixed D=dangerous	Unit classification ³	Document type ⁴	Part A			Part B		Closure plan		Postclosure		Date closed
							Initial	Latest	Rev.	Latest	Rev.	Date	Rev.	Date	Rev.	
616 Nonradioactive Dangerous Waste Storage Facility	FDH	600	S	D	1	1	11/01/85	03/04/97	7	10/31/91	2					
600 Area Purgewater Storage and Treatment Facility	BHI	600	TS	M	12,13	10	02/20/90	09/11/98	3							
Nonradioactive Dangerous Waste Landfill	BHI	600	D	D	11	2,3	11/01/85	06/30/94	4			09/30/90	0			
3000 Area																
Simulated High-Level Waste Slurry Treatment/Storage	PNNL	3000	TS	M	1,2,15	2	05/19/88	08/12/94	2			11/07/94	6A			09/06/95

* Combined Part B permit application DOE/RL-97-03.

¹ Co-op	BHI	--	Bechtel Hanford, Inc.
	FDH	--	Fluor Daniel Hanford, Inc.
	PNNL	--	Pacific Northwest National Laboratory.
	Other	--	Closed by a previous co-operator.
² Area	100	--	100 Area
	200E	--	200 East Area
	200W	--	200 West Area
	200EW	--	Parts of a TSD unit are located in both the 200 East and the 200 West Areas
	300	--	300 Area
	400	--	400 Area
	500	--	Unused designation
	600	--	600 Area
	3000	--	3000 Area

Table 1-1. Hanford Facility Treatment, Storage, and/or Disposal Units.

³ Unit classification	1 --	Container - Storage
	2 --	Container - Treatment
	3 --	Tank - Storage
	4 --	Tank - Treatment
	5 --	Waste pile
	6 --	Surface impoundment - Storage
	7 --	Surface impoundment - Treatment
	8 --	Surface impoundment - Disposal
	9 --	Incinerator
	10 --	Containment Building
	11 --	Landfill
	12 --	Miscellaneous - Storage
	13 --	Miscellaneous - Treatment
	14 --	Land treatment
	15 --	Certified clean closure; regulatory acceptance letter received.
	16 --	Certified procedural closure; regulatory acceptance letter received.
	17 --	Certified partial clean closure; regulatory acceptance letter received.
⁴ Document type	1 --	Part B
	2 --	Closure plan
	3 --	Partial closure
	4 --	Postclosure plan
	5 --	Closure work plan
	6 --	Undetermined
	7 --	TSD unit being closed, or anticipated to be closed, under Section 8.0 of the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement)
	8 --	Procedural closure in accordance with Section 6.3.3 of the Tri-Party Agreement or in response to withdrawal requests submitted in fulfillment of Tri-Party Agreement Milestone M-20-45
	9 --	To be designated as a TSD unit if the Fast Flux Test Facility sodium is determined to have no beneficial use
	10 --	Interim status TSD unit to be closed in accordance with the Purgewater Management Plan [Attachment 5 of the HF RCRA Permit (DW Portion)]
	11 --	TSD unit subject to the closure work plan/closure plan process in accordance with Tri-Party Agreement Milestone M-45-06
	12 --	Interim status TSD unit in a standby mode
	13 --	Interim status TSD unit is to be superseded by a high-level waste immobilization facility.

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 character/inch).

FORM 3	DANGEROUS WASTE PERMIT APPLICATION	1. EPA/STATE I.D. NUMBER <div style="border: 1px solid black; padding: 2px; text-align: center;"> W A 7 8 9 0 0 0 8 9 6 7 </div>																																																																												
FOR OFFICIAL USE ONLY																																																																														
APPLICATION APPROVED <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	DATE RECEIVED (mo., day, & yr.) <div style="border: 1px solid black; padding: 2px; text-align: center;"> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div> </div>	COMMENTS <div style="border: 1px solid black; height: 40px;"></div>																																																																												
II. FIRST OR REVISED APPLICATION																																																																														
Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number in Section I above.																																																																														
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> A. FIRST APPLICATION (place an "X" below and provide the appropriate date) <input type="checkbox"/> 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.) <div style="display: flex; align-items: center; margin-top: 5px;"> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td>MO.</td><td>DAY</td><td>YR.</td></tr> <tr><td>03</td><td>22</td><td>43</td></tr> </table> <div style="margin-left: 10px;"> * FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left). The date construction of the Hanford Facility commenced. </div> </div> </div> <div style="width: 48%;"> <input type="checkbox"/> 2. NEW FACILITY (Complete item below) <div style="display: flex; align-items: center; margin-top: 5px;"> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td>MO.</td><td>DAY</td><td>YR.</td></tr> <tr><td>03</td><td>22</td><td>43</td></tr> </table> <div style="margin-left: 10px;"> FOR NEW FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR IS EXPECTED TO BEGIN </div> </div> </div> </div>			MO.	DAY	YR.	03	22	43	MO.	DAY	YR.	03	22	43																																																																
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B. REVISED APPLICATION (place an "X" below and complete Section I above) <input checked="" type="checkbox"/> 1. FACILITY HAS AN INTERIM STATUS PERMIT <input checked="" type="checkbox"/> 2. FACILITY HAS A FINAL PERMIT																																																																														
III. PROCESSES - CODES AND CAPACITIES																																																																														
A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the (Section III-C).																																																																														
B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.																																																																														
1. AMOUNT - Enter the amount. 2. UNIT OF MEASURE - For each amount entered in column B, enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.																																																																														
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">PROCESS</th> <th style="text-align: left;">PROCESS CODE</th> <th style="text-align: left;">APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY</th> </tr> <tr><td colspan="3">Storage:</td></tr> <tr><td>CONTAINER (barrel, drum, etc.)</td><td>S01</td><td>GALLONS OR LITERS</td></tr> <tr><td>TANK</td><td>S02</td><td>GALLONS OR LITERS</td></tr> <tr><td>WASTE PILE</td><td>S03</td><td>CUBIC YARDS OR CUBIC METERS</td></tr> <tr><td>SURFACE IMPOUNDMENT</td><td>S04</td><td>GALLONS OR LITERS</td></tr> <tr><td colspan="3">Disposal:</td></tr> <tr><td>INJECTION WELL</td><td>D80</td><td>GALLONS OR LITERS</td></tr> <tr><td>LANDFILL</td><td>D81</td><td>ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER</td></tr> <tr><td>LAND APPLICATION</td><td>D82</td><td>ACRES OR HECTARES</td></tr> <tr><td>OCEAN DISPOSAL</td><td>D83</td><td>GALLONS PER DAY OR LITERS PER DAY</td></tr> <tr><td>SURFACE IMPOUNDMENT</td><td>D84</td><td>GALLONS OR LITERS</td></tr> </table>	PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	Storage:			CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	TANK	S02	GALLONS OR LITERS	WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS	Disposal:			INJECTION WELL	D80	GALLONS OR LITERS	LANDFILL	D81	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER	LAND APPLICATION	D82	ACRES OR HECTARES	OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY	SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">PROCESS</th> <th style="text-align: left;">PROCESS CODE</th> <th style="text-align: left;">APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY</th> </tr> <tr><td colspan="3">Treatment:</td></tr> <tr><td>TANK</td><td>T01</td><td>GALLONS PER DAY OR LITERS PER DAY</td></tr> <tr><td>SURFACE IMPOUNDMENT</td><td>T02</td><td>GALLONS PER DAY OR LITERS PER DAY</td></tr> <tr><td>INCINERATOR</td><td>T03</td><td>TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR</td></tr> <tr><td>OTHER (use for physical, chemical, thermal, biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)</td><td>T04</td><td>GALLONS PER DAY OR LITERS PER DAY</td></tr> </table>	PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	Treatment:			TANK	T01	GALLONS PER DAY OR LITERS PER DAY	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR	OTHER (use for physical, chemical, thermal, biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">UNIT OF MEASURE</th> <th style="text-align: left;">UNIT OF MEASURE CODE</th> </tr> <tr><td>GALLONS</td><td>G</td></tr> <tr><td>LITERS</td><td>L</td></tr> <tr><td>CUBIC YARDS</td><td>C</td></tr> <tr><td>CUBIC METERS</td><td>M</td></tr> <tr><td>GALLONS PER DAY</td><td>U</td></tr> <tr><td>LITERS PER DAY</td><td>V</td></tr> <tr><td>TONS PER HOUR</td><td>D</td></tr> <tr><td>METRIC TONS PER HOUR</td><td>W</td></tr> <tr><td>GALLONS PER HOUR</td><td>E</td></tr> <tr><td>LITERS PER HOUR</td><td>H</td></tr> </table>	UNIT OF MEASURE	UNIT OF MEASURE CODE	GALLONS	G	LITERS	L	CUBIC YARDS	C	CUBIC METERS	M	GALLONS PER DAY	U	LITERS PER DAY	V	TONS PER HOUR	D	METRIC TONS PER HOUR	W	GALLONS PER HOUR	E	LITERS PER HOUR	H
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EXAMPLE FOR COMPLETING SECTION III (shown in the numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.																																																																														
LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY			LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY			LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY																																																																		
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X-1	S 0	200	G		5																																																																									
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1	T 0	100	V		7																																																																									
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HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

Revision

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4.2.1.5	Grout Treatment Facility	5
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4.2.1.7	241-Z Treatment and Storage Tanks	5
4.2.1.8	B Plant Complex	5
4.2.1.9	222-S Laboratory Complex	7
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4.2.1.12	Hanford Waste Vitrification Plant	5
4.2.1.13	200 Area Effluent Treatment Facility	3
4.2.1.14	Waste Receiving and Processing	2
4.2.1.15	Plutonium Finishing Plant Treatment Unit	0

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

Revision

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4.2.2.7	Central Waste Complex	5
4.2.2.8	Single-Shell Tank System	4
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4.2.3.5	216-B-3 Main Pond	5
4.2.3.6	216-B-63 Trench	3
4.2.3.7	216-A-10 Crib	3
4.2.3.8	216-U-12 Crib	3
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4.3.1.5	300 Area Waste Acid Treatment System	5
4.3.1.6	303-M Oxide Facility	1
4.3.1.7	325 Hazardous Waste Treatment Units	4
4.3.1.8	<i>Biological Treatment Test Facilities--CLOSED 12/10/96</i>	0
4.3.1.9	<i>Physical and Chemical Treatment Test Facilities--CLOSED 05/13/96</i>	1
4.3.1.10	<i>Thermal Treatment Test Facilities--CLOSED 05/13/96</i>	0

♦ = Revised this issue.

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

	Revision
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4.5.3.1 Nonradioactive Dangerous Waste Landfill	4
4.6 1100 AREA FACILITIES	
4.6.1 Treatment Facilities	
4.6.1.1 Simulated High-Level Waste Slurry Treatment/Storage-- CLOSED 09/06/95	2

Please print or type in the unshaded areas only
(fill-in areas are spaced for alpha type, i.e., 12 character/inch).

FORM 3	DANGEROUS WASTE PERMIT APPLICATION	1. EPA/STATE I.D. NUMBER <div style="border: 1px solid black; padding: 2px; text-align: center;"> WA 7880008887 </div>							
FOR OFFICIAL USE ONLY									
APPLICATION APPROVED	DATE RECEIVED (mo., day, & yr.)	COMMENTS							
II. FIRST OR REVISED APPLICATION									
Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.									
A. FIRST APPLICATION (place an "X" below and provide the appropriate date)									
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.) <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">MO. 03</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">DAY 22</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">YR. 43</div> </div> <p style="font-size: small;">* FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left). The date construction of the Hanford Facility commenced:</p> </div> <div style="width: 45%;"> <input type="checkbox"/> 2. NEW FACILITY (Complete item below) <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">MO. </div> <div style="border: 1px solid black; padding: 2px; text-align: center;">DAY </div> <div style="border: 1px solid black; padding: 2px; text-align: center;">YR. </div> </div> <p style="font-size: small;">FOR NEW FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR IS EXPECTED TO BEGIN</p> </div> </div>									
B. REVISED APPLICATION (place an "X" below and complete Section I above)									
<div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> 1. FACILITY HAS AN INTERIM STATUS PERMIT <input type="checkbox"/> 2. FACILITY HAS A FINAL PERMIT </div>									
III. PROCESSES - CODES AND CAPACITIES									
A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the (Section III-C).									
B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the amount and unit of measure.									
1. AMOUNT - Enter the amount.									
2. UNIT OF MEASURE - For each amount entered in column B (1) enter the code from the list of unit measure codes below that describes the measure used. Only the units of measure that are listed below should be used.									
PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY				
Storage:			Treatment:						
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY				
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY				
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR				
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS	OTHER (Use for physical, chemical, thermal, biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY				
Disposal:									
INJECTION WELL	D80	GALLONS OR LITERS							
LANDFILL	D81	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER							
LAND APPLICATION	D82	ACRES OR HECTARES							
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY							
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS							
UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE				
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A				
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F				
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	B				
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	Q				
GALLONS PER DAY	U	LITERS PER HOUR	H						
LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)				1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	
X-1	S 0	200	G		5				
X-2	T 0	20	E		6				
1	S 0	132,489	L		7				
2					8				
3					9				
4					10				

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

Revision

VOLUME 1

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4.1.1.2	105-DR Large Sodium Fire Facility	4
4.1.1.3	1706-KE Waste Treatment System	3
4.1.1.4	183-H Solar Evaporation Basins	4
4.1.2	Disposal Facilities	
4.1.2.1	1301-N Liquid Waste Disposal Facility	7
4.1.2.2	1325-N Liquid Waste Disposal Facility	7
4.1.2.3	1324-NA Percolation Pond	3
4.1.2.4	100-D Ponds	4
4.2	200 AREA FACILITIES	
4.2.1	Treatment Facilities	
4.2.1.1	221-T Containment Systems Test Facility--CLOSED 02/22/99	3 ♦
4.2.1.2	200 West Area Ash Pit Demolition Site--CLOSED 10/26/95	4
4.2.1.3	218-E-8 Borrow Pit Demolition Site--CLOSED 10/26/95	4
4.2.1.4	242-A Evaporator	7
4.2.1.5	Grout Treatment Facility	5
4.2.1.6	T Plant Complex	7
4.2.1.7	241-Z Treatment and Storage Tanks	5
4.2.1.8	B Plant Complex	5
4.2.1.9	222-S Laboratory Complex	7
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4.2.1.11	PUREX Plant	8
4.2.1.12	Hanford Waste Vitrification Plant	5
4.2.1.13	200 Area Effluent Treatment Facility	3
4.2.1.14	Waste Receiving and Processing	2
4.2.1.15	Plutonium Finishing Plant Treatment Unit	0

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4.2.2.2	Double-Shell Tank System	8
4.2.2.3	Hexone Storage and Treatment Facility	3
4.2.2.4	<i>2727-WA SRE Sodium Storage Building--CLOSED 02/22/99</i>	1 ♦
4.2.2.5	PUREX Storage Tunnels	5
4.2.2.6	224-T Transuranic Waste Storage and Assay Facility	6
4.2.2.7	Central Waste Complex	5
4.2.2.8	Single-Shell Tank System	4
4.2.2.9	207-A South Retention Basin	2
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4.2.2.11	241-CX Tank System	3
4.2.2.12	Waste Encapsulation and Storage Facility	0
4.2.3	Disposal Facilities	
4.2.3.1	Low-Level Burial Grounds	11
4.2.3.2	216-S-10 Pond and Ditch	3
4.2.3.3	<i>2101-M Pond--CLOSED 10/26/95</i>	2
4.2.3.4	216-A-29 Ditch	3
4.2.3.5	216-B-3 Main Pond	5
4.2.3.6	216-B-63 Trench	3
4.2.3.7	216-A-10 Crib	3
4.2.3.8	216-U-12 Crib	3
4.2.3.9	216-A-36B Crib	1
4.2.3.10	216-A-37-1 Crib	2
4.2.3.11	<i>216-B-3 Expansion Ponds--CLOSED 06/27/95</i>	0

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4.3	300 AREA FACILITIES	
4.3.1	Treatment Facilities	
4.3.1.1	<i>3718-F Alkali Metal Treatment and Storage Area--CLOSED 08/04/98</i>	4
4.3.1.2	<i>324 Pilot Plant--CLOSED 06/09/97</i>	3
4.3.1.3	<i>304 Concretion Facility--CLOSED 11/30/95</i>	4
4.3.1.4	<i>300 Area Solvent Evaporator--CLOSED 06/27/95</i>	4
4.3.1.5	300 Area Waste Acid Treatment System	5
4.3.1.6	303-M Oxide Facility	1
4.3.1.7	325 Hazardous Waste Treatment Units	4
4.3.1.8	<i>Biological Treatment Test Facilities--CLOSED 12/10/96</i>	0
4.3.1.9	<i>Physical and Chemical Treatment Test Facilities--CLOSED 05/13/96</i>	1
4.3.1.10	<i>Thermal Treatment Test Facilities--CLOSED 05/13/96</i>	0

♦ = Revised this issue.

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION

	Revision
4.3.2 Storage Facilities	
4.3.2.1 311 Tanks (incorporated into 300 Area Waste Acid Treatment System, Rev. 3)	1
4.3.2.2 303-K Storage Unit	5
4.3.2.3 305-B Storage Facility	1
4.3.2.4 <i>332 Storage Facility--CLOSED 04/21/97</i>	0
4.3.3 Disposal Facilities	
4.3.3.1 300 Area Process Trenches	4
4.4 400 AREA FACILITIES	
4.4.1 Treatment Facilities	
4.4.1.1 437-MASF	3
4.4.2 Storage Facilities	
4.4.2.1 <i>4843 Alkali Metal Storage Facility --CLOSED 04/14/97</i>	3
4.4.2.2 Sodium Storage Facility and Sodium Reaction Facility	1
4.5 600 AREA FACILITIES	
4.5.1 Treatment Facilities	
4.5.1.1 <i>Hanford Patrol Academy Demolition Site-- CLOSED 10/26/95</i>	4
4.5.2 Storage Facilities	
4.5.2.1 616 Nonradioactive Dangerous Waste Storage Facility	7
4.5.2.2 600 Area Purgewater Storage and Treatment Facility	3
4.5.3 Disposal Facility	
4.5.3.1 Nonradioactive Dangerous Waste Landfill	4
4.6 1100 AREA FACILITIES	
4.6.1 Treatment Facilities	
4.6.1.1 <i>Simulated High-Level Waste Slurry Treatment/Storage-- CLOSED 09/06/95</i>	2